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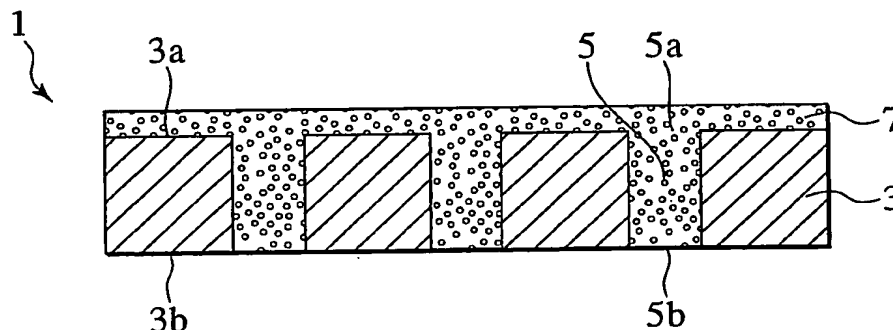
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(54) Title: **GAS PERMEABLE SUBSTRATE AND SOLID OXIDE FUEL CELL USING THE SAME**



(57) **Abstract:** A gas permeable substrate comprises a porous metallic plate having a plurality of pores which form openings in an upper surface and/or a lower surface thereof, and particles filled in the pores. In the gas permeable substrate, at least one of the upper surface and the lower surface of the porous metallic plate is substantially smooth.